



## CERTIFICATE OF ANALYSIS

VVK10012542 Project #4, VVK10012542 Project #1

### Products

Purified AAV5-CMV-GFP (Lot: 23-266)

Purified AAV5-Empty (Lot: 23-271)

### Storage Conditions

The AAV vectors should be kept at -80°C for long term storage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C.

### Shipping Conditions

Dry Ice

### Manufacture Date

2023-07-14

### Shelf Life/Expiration Date

Virovek's AAV will last 5 years from the manufacture date when stored at -80°C without freeze-thaw cycles.

### Description

- AAV5-CMV-GFP was produced in Sf9 cells by infection with rBV-inCap5-inRep2 and rBV-CMV-GFP. The final buffer is 1xPBS + 0.001% pluronic F-68.
- AAV5-Empty was produced in Sf9 cells by infection with rBV-inCap5-inRep2 and rBV-Empty. The final buffer is 1xPBS + 0.001% pluronic F-68.

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The vectors were then sterilized via filtration with 0.22 µm filters.

These vectors are for research use only and not for any human purposes.

### Quality Control Data

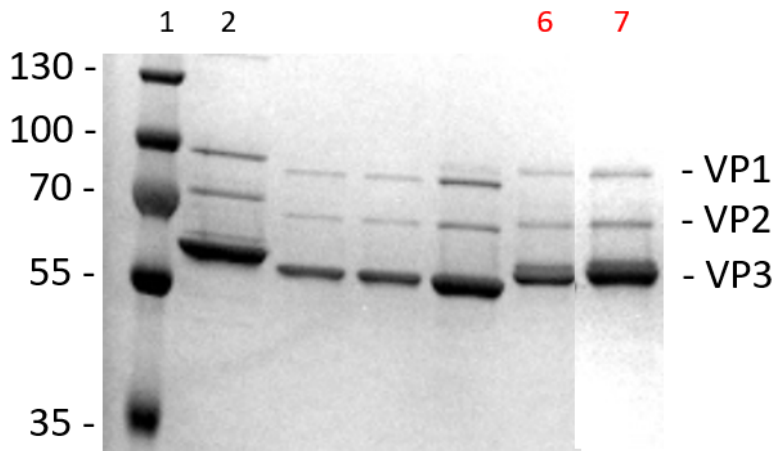
qPCR or Nanodrop analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and SimplyBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).



Product Titers

Lot 23-266: 1E+14 vg/ml

Lot 23-271: 1E+14 vp/ml



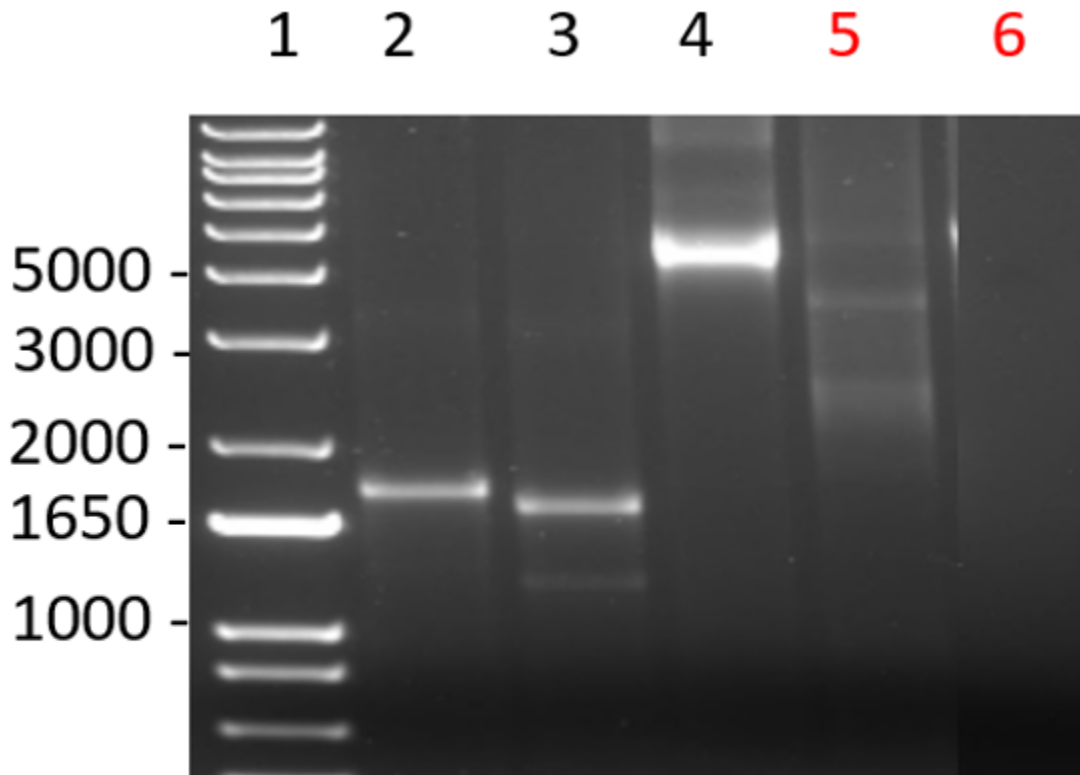
Lane 1: Protein Ladder

Lane 2: AAV8 Standard Control 1E+11vg Loaded

Lane 6: 23-266 AAV5-CMV-GFP 1E+11vg Loaded

Lane 7: 23-271 AAV5-Empty 1E+11vg Loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified samples.



Lane 1: DNA 1KB Ladder

Lane 5: 23-266 AAV5-CMV-GFP 1E+11vg Loaded

Lane 6: 23-271 AAV5-Empty 1E+11vp Loaded

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team

Date: 2023-07-14